

## FACTORY SALES and SERVICE CENTERS

|   | Area Code | Telephone No. |   | Area Code | Telephone No. |
|---|-----------|---------------|---|-----------|---------------|
| ALABAMA 35233, Birmingham, 1717 Third Ave., So.   | 205       | 324-6691      | NEW YORK 14209, Buffalo, 881 W. Delavan Ave.        | 716       | TT 4-6220     |
| ARIZONA 85007, Phoenix, 537 E. McDowell Rd.       | 602       | AL 8-1332     | 10462, New York, 1894 E. Tremont Ave. (Bronx)       | 212       | SY 2-2700     |
| ARKANSAS 72201, Little Rock, 519 West Seventh St. | 501       | FR 2-3040     | 10014, New York, 227 Varick St. (Manhattan)         | 212       | WA 9-6450     |
| CALIFORNIA 92802, Anaheim, 1235 S. Euclid Ave.    | 714       | 772-0202      | 11377, New York, 56-15 Queens Blvd. (Woodside)      | 212       | DE 5-1042     |
| 90007, Los Angeles, 2432 S. Broadway              | 213       | RJ 9-0371     | 14620, Rochester, 476 Clinton Ave., S.              | 716       | 446-3814      |
| 94606, Oakland, 1107 E. 14th St.                  | 415       | TE 4-5944     | 13224, Syracuse, 2140 Erie Blvd., E.                | 315       | 446-3086      |
| 95814, Sacramento, 1915 Seventeenth St.           | 916       | 444-3188      | NORTH CAROLINA 28206, Charlotte, 1710 W. Graham St. | 704       | FR 5-3721     |
| 92105, San Diego, 3811 El Cajon Blvd.             | 714       | AT 1-3338     | 28306, Fayetteville, P.O. Box 4305, Highway 301, S. | 919       | 425-1181      |
| 95050, Santa Clara, 2291 The Alameda              | 408       | 241-9162      | 27403, Greensboro, 1032 West Lee St.                | 919       | 275-4487      |
| 94080, South San Francisco, 1139 Airport Blvd.    | 415       | 871-7278      | OHIO 45203, Cincinnati, 1225 Western Ave.           | 513       | 421-2275      |
| COLORADO 80204, Denver, 675 Kalamath St.          | 303       | 222-0621      | 44113, Cleveland, 3901 Detroit Ave.                 | 216       | OL 1-4243     |
| CONNECTICUT 06114, Hartford, 131 Meadow St.       | 203       | 249-6241      | 43202, Columbus, 3293 N. High St.                   | 614       | AM 8-5797     |
| FLORIDA 32208, Jacksonville, 5224 Pearl Street.   | 904       | 836-8351      | 45420, Dayton, 617 Waterlief Ave.                   | 513       | 252-1821      |
| 33147, Miami, 2075 N. W. 54th Street              | 305       | 356-2951      | 44139, Solon, 6225 Cochran Rd.                      | 216       | CH 8-5330     |
| 32806, Orlando, 949 So. Orange Ave.               | 305       | NE 3-9839     | 43606, Toledo, 2629 W. Central Ave.                 | 419       | 475-6771      |
| 33609, Tampa, 3407 S. Dale Mabry Hwy.             | 813       | 241-4015      | OKLAHOMA 73106, Oklahoma City, 1717 Linwood Blvd.   | 405       | CE 2-7515     |
| GEORGIA 30313, Atlanta, 316 Techwood Dr., N.W.    | 404       | JA 4-0431     | 74114, Tulsa, 2602 So. Harvard St.                  | 918       | 747-1558      |
| HAWAII 96813, Honolulu, 675 Auahi St.             | 808       | 569-374       | OREGON 97209, Portland, 1641 N.W. Johnson St.       | 503       | CA 8-8631     |
| ILLINOIS 60607, Chicago, 1100 W. Jackson Blvd.    | 312       | TA 9-3500     | PENNSYLVANIA 17112, Harrisburg,                     |           |               |
| 60646, Chi., Lincolnw'd, 6710 N. Crawford Ave.    | 312       | OR 3-0923     | 6070 Allentown Rd.                                  | 717       | KI 5-0651     |
| 60655, Chicago, 10708 S. Western Ave.             | 312       | BE 3-6832     | 17604, Lancaster, 715 Fountain Ave.                 | 717       | EX 3-5831     |
| INDIANA 47708, Evansville, 931 Bond St.           | 812       | 425-4269      | 19103, Philadelphia, 333 N. 20th St.                | 215       | LO 4-5520     |
| 46207, Indianapolis, 1125 W. 16th St.             | 317       | 632-5569      | 15232, Pittsburgh, 5437 Baum Blvd.                  | 412       | 362-2700      |
| IOWA 50312, Des Moines, 2811 Ingelsoll Ave.       | 515       | CH 4-7257     | RHODE ISLAND 02914, East Providence,                |           |               |
| KANSAS 67214, Wichita, 203 No. Mathewson St.      | 316       | FO 3-6571     | 2777 Pawtucket Ave.                                 | 401       | 434-1655      |
| KENTUCKY 40221, Louisville, 4407 Park Blvd.       | 502       | 366-1495      | SOUTH CAROLINA 29601, Greenville, 407 Pendleton St. | 803       | 232-3038      |
| LOUISIANA 70112, New Orleans, 2010 Poydras St.    | 504       | 522-2544      | TENNESSEE 37914, Knoxville, 223 N. Central St.      | 615       | 546-2481      |
| MARYLAND 21211, Baltimore, 203 W. 28th St.        | 301       | HO 7-7111     | 387210, Memphis, 300 South Thru South               | 615       | WH 2-3244     |
| 21205, Baltimore, 4712 Erdman Ave.                | 301       | 485-5550      | 73710, Newville, 533 Fourth Ave. South.             | 615       | 254-0110      |
| 20710, Bladensburg, 4501 Baltimore Ave.           | 301       | 779-3808      | TEXAS 79106, Amarillo, 3008 West 6th Ave.           | 806       | DR 3-1531     |
| 21204, Towson, Md., E. Joppa Rd.                  | 301       | VA 3-4400     | 75207, Dallas, 1808 N. Industrial Blvd.             | 214       | RI 1-6401     |
| MASSACHUSETTS 02135, Boston,                      |           |               | 76108, Fort Worth, 1801 Bonar St.                   | 817       | ED 6-0175     |
| 5 Mass Ave. St. (Bunker Hill)                     | 617       | ST 2-6264     | 77003, Houston, 105 Sampson St.                     | 713       | CA 8-7521     |
| MICHIGAN 48239, Detroit, 18133, W. McNichols Rd.  | 313       | 534-8880      | 78210, San Antonio, 1314 S. St. Mary's St.          | 512       | LE 4-4611     |
| 48234, Detroit, 11360 East Seven Mile Rd.         | 313       | 527-5010      | REGINA, SASK.: 1076 Albert Street                   | 801       | HU 6-7056     |
| 48500, Grand Rapids, 1296 36th St. S.W.           | 616       | 534-7708      | CALGARY, ALTA.: 1003 11th Ave., S.W.                | 703       | 533-1147      |
| MINNESOTA 55408, Minn., 2815 Nicollet Ave.        | 612       | TA 3-5283     | EDMONTON, ALTA.: 11440 Ave. - 142nd Street          |           |               |
| MISSOURI 64108, Kansas City, 2705 McGee Tfcwy.    | 816       | HA 1-1493     | VANCOUVER, B.C.: 24 West 2nd Avenue                 |           |               |
| 63110, St. Louis, 615 S. Vandeventer Ave.         | 314       | JE 3-2210     | 23517, 2357 West 21st St.                           | 703       | 625-6888      |
| NEBRASKA 68102, Omaha, 2218 Leavenworth St.       | 402       | 345-2330      | 23222, Richmond, 1424 Chamberlayne Ave.             | 703       | 649-9245      |
| NEW JERSEY 07104, Newark, 868 Broadway.           | 201       | HU 3-1076     | WASHINGTON 98109, Seattle, 434 Eighth Ave. N.       | 206       | MA 3-6442     |
| NEW MEXICO 87110, Albuquerque,                    |           |               | 99202, Spokane, 3025A E. Mission Ave.               | 509       | KE 4-7188     |
| 4700 Lomas Blvd., N.E.                            | 505       | 265-6401      | 116 Washington St., East.                           | 304       | 343-0289      |
|   |           |               | WISCONSIN 53213, Milwaukee, 6301 Blu Mound Rd.      | 414       | GR 6-7800     |

## BLACK & DECKER SALES AND SERVICE CENTRES

|   |  |
|---|--|
| HALIFAX, N.S.: 803 McLean Street                  | HAMILTON, ONT.: 180 Parkdale Ave., North   |
| QUEBEC, P.Q.: 330 St. Roch Street                 | LONDON, ONT.: 631 Commissioners Rd. E.     |
| MONTRÉAL, QUE.: 7865 St. Lawrence Blvd.           | WINNIPEG, ST. JAMES,                       |
| LONGUEUIL, ONT.: 1568 Chemin De Chambly           | MAN.: 934 St. James St.                    |
| OTTAWA, ONT.: 285 Richmond Rd.                    | REGINA, SASK.: 1076 Albert Street          |
| BROCKVILLE, ONT.: Central Avenue                  | CALGARY, ALTA.: 1003 11th Ave., S.W.       |
| SCARBOROUGH, ONT.: 729 Kennedy Road               | EDMONTON, ALTA.: 11440 Ave. - 142nd Street |
| DON MILLS (Toronto), ONT.: 2 Valleybrook Drive    | VANCOUVER, B.C.: 24 West 2nd Avenue        |
| THE QUEENSWAY (Toronto), ONT.: 1180 The Queensway |  |

## AUTHORIZED SERVICE STATIONS

|                     |                        |                         |                            |                         |
|---------------------|------------------------|-------------------------|----------------------------|-------------------------|
| ALABAMA, Montgomery | CONNECTICUT, New Haven | MAINE, Westbrook        | OHIO, Youngstown           | TEXAS, Corpus Christi   |
| ALASKA, Anchorage   | DELAWARE, Wilmington   | MINNESOTA, Moorhead     | PENNSYLVANIA, Allentown    | El Paso, Harlingen      |
| Fairbanks           | FLORIDA, Pensacola     | MISSISSIPPI, Jackson    | Erie                       | Lubbock                 |
| ARIZONA, Tucson     | IDAHO, Boise, Lewiston | MONTANA, Billings       | SOUTH CAROLINA, Charleston | VIRGINIA, Roanoke       |
| CALIFORNIA, Fresno  | INDIANA, South Bend    | NEVADA, Reno            | Columbia                   | WASHINGTON, Yakima      |
| Stockton            |                        | NORTH CAROLINA, Raleigh | SOUTH DAKOTA, Rapid City   | WEST VIRGINIA, Wheeling |

## DISTRIBUTION CENTERS

|  |   |  |
|--|---|--|
| CALIFORNIA 94804, Richmond, 1732 Wright Ave.     | MANUFACTURING PLANTS  | SALES AND SERVICE SUBSIDIARIES   |
| Phone: 415 235-4232                              | Lancaster, Pa.; Solon, Ohio;  | Vienna, Austria; Brussels, Belgium; Copenhagen, Denmark; Dusseldorf, Germany; Mexico, D.F., Monterrey, Guadalajara, Mexico; Rotterdam, Netherlands; Paris, France; London, United Kingdom; Zurich, Switzerland; New Zealand; Oslo, Norway; Johannesburg, Cape Town, Durban, South Africa; Barcelona, Spain; Goteborg C, Sweden; Zurich, Switzerland; BLACK & DECKER, INC., Urbanizacion Industrial Julia, Caparra Heights, San Juan, Puerto Rico |
| CONNECTICUT 06051, New Britain, 595 John Downey  | Towson, Md.; Hampstead, Md., U.S.A.; Brockville, Ontario, Can.; Harmondsworth Middx., Maidenhead, Spennympor, England; Croydon, Vic., Australia; Lyon, France; Milan, Italy |  |
| Phone: 203 225-4145                              |   |  |
| GEORGIA 30315, Atlanta, 3271 Hamilton Blvd. S.W. |   |  |
| Phone: 404 761-8031-2                            |   |  |
| ILLINOIS 60018, Des Plaines, 2180 S. Wolf Road   |   |  |
| Phone: 312 827-0083                              |   |  |
| MARYLAND 21074, Hampstead, Phone: 301 TE 3-4444  |   |  |
| MISSOURI 64116, N. Kansas City, 1343 Murray Dr.  |   |  |
| Phone: 816 VI 2-6350                             |   |  |

## B-D Quality Guarantee

"Black & Decker guarantees, for one year from date of purchase, to correct by repair or parts replacement, without charge, any defect due to faulty material or workmanship. Simply return the complete unit, transportation prepaid, to any Black & Decker Service Centre or authorized Service Station. Naturally, we assume no responsibility for damage caused by misuse, careless handling or where repairs have been made or attempted by others. No other guarantee, written or verbal, is authorized by us."

Black & Decker

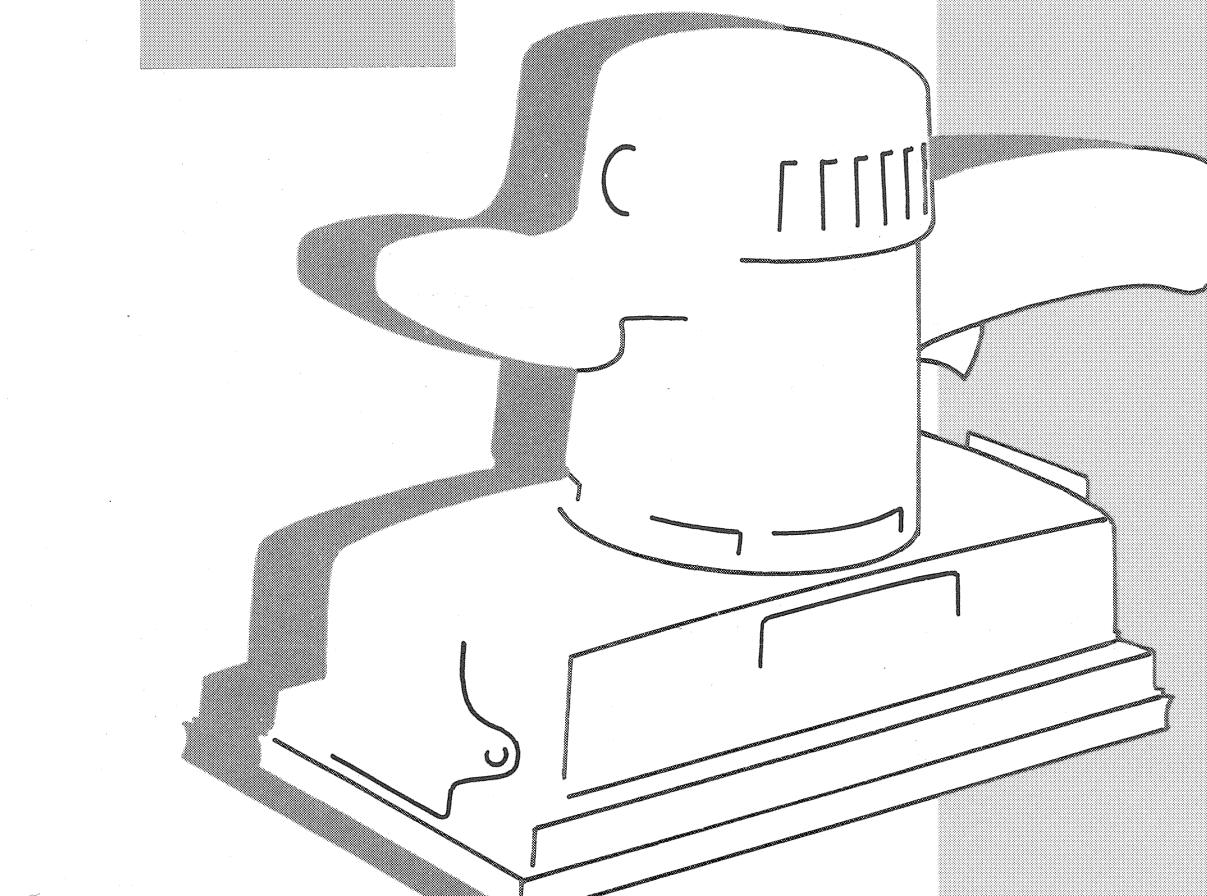


RAPID  
EXCHANGE  
SERVICE

This tool is protected by Rapid Exchange Service. See guarantee above.

# Black & Decker

## POWER TOOLS



## OWNER'S MANUAL

This booklet is provided for your convenience in the use and care of your new Black & Decker tool. These instructions include operation, safety precautions, preventive maintenance, maintenance and other pertinent data to assist you in assuring long life and dependable service.

4015

**HEAVY-DUTY  
FINISHING  
SANDER**  
**TYPES 1A & 2**

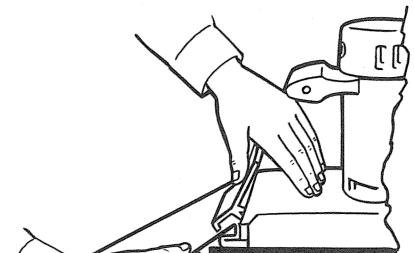
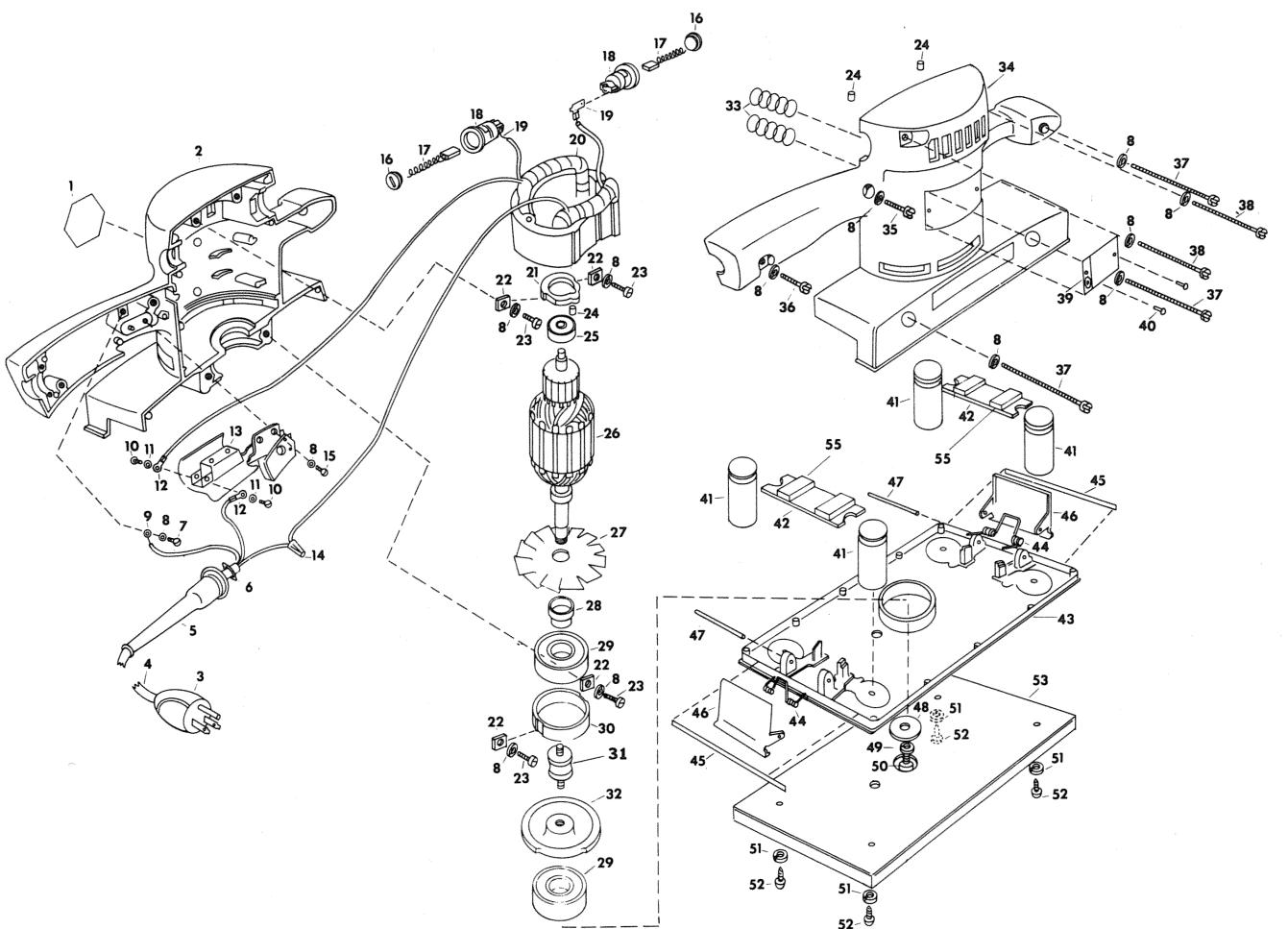


Fig. 2



## PARTS IDENTIFICATION

### 4015 H.D. FINISHING SANDER, 3.0 AMPS., 10,000 O.P.M.

| Index |          |  |          | Index |          |                          |          | Index |          |                                      |          |
|-------|----------|--|----------|-------|----------|--------------------------|----------|-------|----------|--------------------------------------|----------|
| No.   | Part No. | Part Description                         | Quantity | No.   | Part No. | Part Description         | Quantity | No.   | Part No. | Part Description                     | Quantity |
| 1     | 57005    | ident sticker                            | 1        | 19    | 46212-01 | lead terminal            | 2        | 38    | 65393    | #8-32 x 2 1/8 FH screw               | 2        |
| 2     | 61037    | motor housing                            | 1        | 20    | 59320-71 | field (120V)             | 1        | 39    | 975002   | nameplate                            | 1        |
| 3     | 36478    | attach. plug (120V)                      | 1        |       | 59320-73 | field (150V)             | 1        | 40    | 3041     | drive screw                          | 2        |
|       | 37140    | attach. plug (150-250V)                  | 1        |       | 59320-95 | field (100V)             | 1        | 41    | 66181    | flexible post                        | 4        |
| 4     | 36480-98 | cord & plug (includes item 3) (120V)     | 1        |       | 59320-75 | field (220V)             | 1        | 42    | 65427    | post spacer; includes item 55 (2)    | 2        |
|       | 37142    | cord & plug (includes item 3) (150-250V) | 1        | 21    | 61138    | bearing retainer         | 1        | 43    | 58871    | base plate (includes 44, 45, 46, 47) | 1        |
| 5     | 24288    | cord protector                           | 1        | 22    | 61137    | clamp                    | 4        | 44    | 58874    | spring                               | 2        |
| 6     | 8033     | cord clamp                               | 1        | 23    | 1789     | #8-32 x 1/2 FH screw     | 4        | 45    | 58897    | bumper                               | 2        |
| 7     | 7895     | #8-32 x 1/4 RH screw                     | 1        | 24    | 30611    | rubber plug              | 3        | 46    | 58815    | clamp                                | 2        |
| 8     | 418      | #8 lockwasher                            | 12       | 25    | 67140    | ball bearing             | 1        | 47    | 67374    | roll pin                             | 2        |
| 9     | 1747     | lead terminal                            | 1        | 26    | 89559-31 | armature 120V            | 1        | 48    | 5927-01  | washer                               | 1        |
| 10    | 20404    | #5-40 x 5/32 term. screw                 | 2        |       | 89559-33 | armature 150V            | 1        | 49    | 416      | 1/4 lockwasher                       | 1        |
| 11    | 1991     | #6 lockwasher                            | 2        |       | 89559-35 | armature 220V            | 1        | 50    | 10584    | 1/4-28 x 3/8 RH screw                | 1        |
| +12   | 26192    | lead terminal                            | 2        | 27    | 58814    | fan                      | 1        | 51    | 417      | #10 lockwasher                       | 4        |
| 13    | 49352    | switch 100-120V                          | 1        | 28    | 58876    | spacer                   | 1        | 52    | 34935    | #10-32 x 1/2 screw                   | 4        |
|       | 62051    | switch 150-250V                          | 1        | 29    | 54301    | ball bearing             | 2        | 53    | 59998    | base plate & pad                     | 1        |
| +14   | 32114    | wire connector                           | 1        | 30    | 61139    | bearing retainer         | 1        | 55    | 66178    | damper pad                           | 4        |
| 15    | 1988     | #8-32 x 1/4 RH screw                     | 1        | 31    | 63896    | flexible coupling        | 1        |       |          |                                      |          |
| 16    | 46210    | br. hold plug                            | 2        | 32    | 89773    | eccentric                | 1        |       |          |                                      |          |
| 17    | 46211    | brush assembly 100-120V                  | 2        | 33    | 61140    | spring                   | 2        |       |          |                                      |          |
|       | 50946    | brush assembly 150-250V                  | 2        | 34    | 61038    | cover housing            | 1        |       |          |                                      |          |
| 18    | 61208    | brush holder                             | 2        | 35    | 379      | #8-32 x 3/4 FH screw & w | 1        |       |          |                                      |          |
|       |          |  |          | 36    | 640      | #8-32 x 1 FH screw       | 1        |       |          |                                      |          |
|       |          |  |          | 37    | 99410-38 | #8-32 x 2 3/8 FH screw   | 3        |       |          |                                      |          |

+ Omit on 150, 220, and 240 volt units.

WHEN ORDERING REPLACEMENT PARTS, YOU MUST GIVE UNIT, TYPE AND CATALOG NUMBER AS SHOWN ON NAMEPLATE, PLUS PART NUMBER AND NAME OF PART NEEDED.

## MOTOR:

Your Black and Decker tool is powered by a B&D built "Universal" motor. It operates, at nameplate voltage on Alternating Current (25 to 60 cycles) or on Direct Current. Voltage variation of more than 10% will cause loss of power and overheating. All B&D tools are factory-tested; if this tool does not operate, check the following: Supply line for blown fuses; plug and receptacle for contact; carbon brushes.

## COMMUTATOR AND BRUSHES:

Inspect carbon brushes often. Replace when brushes are worn down to identifying letter or groove or when spring exerts insufficient pressure to hold brush against commutator. Keep brushes clean and sliding freely in guides. Inspect commutator for dirt and excessive wear. If dirty or rough, clean **lightly** with very fine sandpaper (**not emery cloth**). If badly worn or grooved, send tool to our nearest service station for repair (see back page).

## GROUNDING:

These units are equipped with approved 3-conductor cord and 3-blade grounding type attachment plug cap to be used with the proper grounding type receptacle, in accordance with the Canadian Electrical Code.



## CABLE:

The cable is the "life line" of your tool — keep it clean by wiping it off occasionally. Keep it out of oils and greases which ruin the rubber. Coil it neatly when not in use and avoid dragging it across sharp surfaces or using it as a handle to lift the tool.

When using the tool at a considerable distance from power source, an extension cable of adequate size must be used to prevent loss of power and over-heating. Use the table below for 120 volt tools. For 220 volt tools, use wire size corresponding to an extension length of 1/2 the contemplated length.

| Ampere rating<br>(on nameplate) | 0 to<br>2.0        | 2.10 to<br>3.4 | 3.5 to<br>5.0 | 5.10 to<br>7.0 | 7.10 to<br>12.0 | 12.1 to<br>16.0 |
|---------------------------------|--------------------|----------------|---------------|----------------|-----------------|-----------------|
| Ext. Cable length               | Wire Size (A.W.G.) |                |               |                |                 |                 |
| 25 ft.                          | 18                 | 18             | 18            | 18             | 16              | 14              |
| 50 ft.                          | 18                 | 18             | 18            | 16             | 14              | 12              |
| 75 ft.                          | 18                 | 18             | 16            | 14             | 12              | 10              |
| 100 ft.                         | 18                 | 16             | 14            | 12             | 10              | —               |
| 150 ft.                         | 16                 | 14             | 12            | 12             | —               | —               |
| 200 ft.                         | 16                 | 14             | 12            | 10             | —               | —               |

## SAFETY PRECAUTIONS:

1. ALWAYS BE SURE THAT THE TOOL IS PROPERLY GROUNDED.
2. BEFORE MAKING ANY ADJUSTMENTS, ATTACHING ABRASIVE PAPER, INSPECTING, CHANGING BRUSHES, OR AT ANY TIME TOOL IS NOT IN USE, BE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE TOOL HAS BEEN DISCONNECTED FROM THE POWER SUPPLY.

## SWITCH:

These tools are equipped with a trigger switch and locking pin. To start tool, depress trigger; to stop tool, release trigger. To lock trigger in "ON" position for continuous operation, depress trigger, push in locking pin (located next to trigger), and release trigger. To release locking mechanism and turn tool "OFF", depress and release trigger.

## LUBRICATION:

This tool has been completely lubricated at the factory and is ready for use. No further periodic lubrication is necessary. All bearings are closed type, grease sealed ball bearings which require no lubrication.

## ATTACHING ABRASIVE PAPER:

1. UNPLUG TOOL FROM POWER SUPPLY.
2. DEPRESS CLAMP AND HOLD IN OPEN POSITION — (see Fig. 2, on back cover), INSERT PAPER AND RELEASE CLAMP.
3. DRAW PAPER TIGHT ACROSS PAD TOWARD BACK OF UNIT AND REPEAT SAME OPERATION AS ABOVE.

## ACCESSORY AND REPLACEMENT PARTS FOR NO. 4015 SANDER

Model No. 59991. Felt Pad and Plate is available for use as an accessory or replacement part.  
Model No. 59998. Rubber Pad and Plate (standard with the No. 4015 Sander).

## ABRASIVE PAPER 4 1/2" x 11" size

U1416 60 grit      U1417 100 grit      U1418 150 grit